

PROFILE GRADE

WHA # 1124D04

OADING HS20 & IDOT 120k PERMIT LOAD

STR. NO. 101-0171

NAME PLATE LETTERING

S.STRUCT.1124D04.KISHRIVER.BRIDGE DRAWINGS.1124GPE.DGN

SECTION COUNTY SHEETS SHEET 154 04-00343-00-BR WINNEBAGO FED. ADAO DIST. NO. 7 ILLINOIS FED. AND PROJECT-BRM~5099(

Structural Sheet 1B of 21B

BILL OF MATERIAL - BRIDGE

ITEM	UNIT	SUB	SUPER	TOTAL
Channel Excavation	Cu. Yd.	1,960	***************************************	1,960
Porous Granular Embankment	Cu. Yd.	115		115
Stone Riprap, Class A5	Sq. Yd.	1,244		1,244
Filter Fabric	Sq. Yd.	1,244		1,244
Removal of Existing Structures	Each	1		1
Structure Excavation	Cu. Yd.	364		36.4
Cofferdam Excavation	Cu. Yd.	584		584
Cofferdams	Each	2		2
Floor Drains	Each		44	44
Concrete Structures	Cu. Yd.	372.2		372.2
Concrete Superstructure	Cu. Yd.		463.7	463.7
Bridge Deck Grooving	Sq. Yd.		1,357	1,357
Seal Coat Concrete	Cu. Yd.	326.7		326.7
Protective Coat	Sq. Yd.		2,030	2,030
Furnishing and Erecting Structural Steel	L. Sum		0.8	0.8
Stud Shear Connectors	Each		6,840	6,840
Reinforcement Bars, Epoxy Coated	Pound	37,960	105,370	143,330
Bar Splicers	Each	66		66
Furnishing Metal Shell Piles 12"	Foot	3,488	***************************************	3,488
Driving Piles	Foot	3,488		3,488
Test Pile Metal Shells	Each	4		4
Name Piates	Each		1	1
Preformed Joint Strip Seal	Foot		82.5	82.5
Elastomeric Bearing Assembly, Type I	Each		6	6
Elastomeric Bearing Assembly, Type II	Each		6	6
Ancher Belts, 1 ¹ 4"	Each		72	72
Concrete Sealer	Sq. Ft.	238		238
Geocomposite Wall Drain	Sq. Yd.	64		64
Concrete Headwalls for Pipe Drains	Each	4		4
Pipe Underdrains for Structures 4"	Foot	160		160
Permanent Survey Markers	Each		1	1
Drainage Scuppers, DS-11	Each		6	6
Floating Bearings, Guided Expansion - 250K	Each .		6	6

Reinforcement bars shall conform to the requirements of ASTM A706, Grade 60

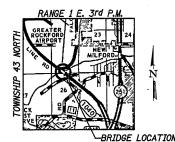
elevations within a tolerance of 1/8 inch. Adjustment shall be made either by grinding the surface or by shimming the bearing. Two 1/8 "adjusting shims, of the dimensions of the bottom bearing plate, shall be provided for each bearing in addition to all other plates or shims. (For Type I Elastomeric Bearings, two 1/8 "adjusting shims shall be provided for each bearing and

DATE: 11/19/2008

EXPIRES II/30/08

'AASHTO Standard Specifications For Highway Bridges'.

"I Certify That To The Best Of My Knowledge, Information And Belief, This Bridge Design Is Structurally Adequate For The Design Loading Shown On The Plans, The Design Is An Economical One Compiles With Requirements Of The Current



LOCATION SKETCH

COMMITMENTS

The Kishwaukee River is a Class I stream listed on the Illinois Natural Areas Inventory, is listed in the National Park Service's Nationwide Rivers Inventory, and is on the INHS list of Biological Significant Streams. Therefore, instream work must be minimized whenever possible.

The piers for the Kishwaukee River bridge will be built with cofferdams to minimize siltation. Drilled shafts will not be used.

The existing bridge shall be dismantled by saw-cutting the structure and removi it a piece at a time without dropping it inot the water. This will minimize any debris from falling into the river during the removal process. No explosives will be used during the demolition process.

Any asphalt base on the bridge shall be removed by a technique that would prevent this material from discharge into the river.

A causeway will not be permitted. A tramway may be used to provide access to the new structure.

Time and work in the stream shall be minimized.

After construction is completed, all trace of the existing bridge, equipment, and construction materials shall be removed from the river and the bridge site.

GENERAL PLAN AND ELEVATION BELTLINE ROAD OVER KISHWAUKEE RIVER FAU ROUTE 5154 SECTION 04-00343-00-BR WINNEBAGO COUNTY STA. 129+89 (S.N. 101-0171)



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